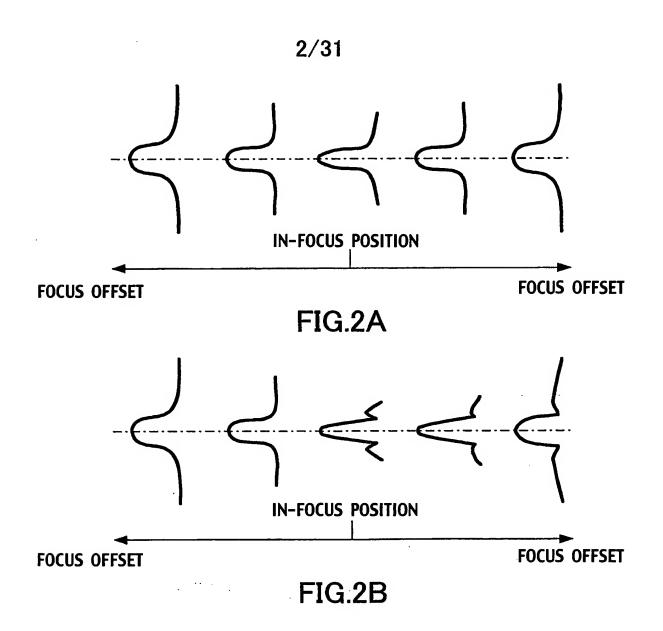
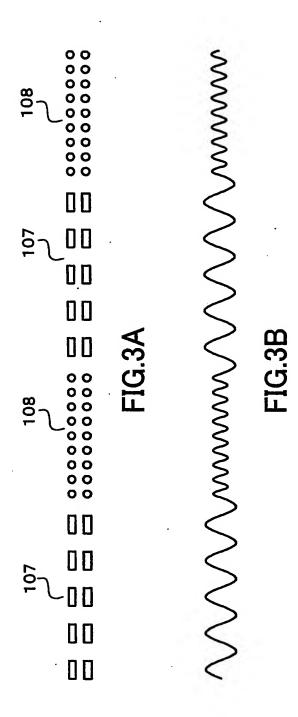
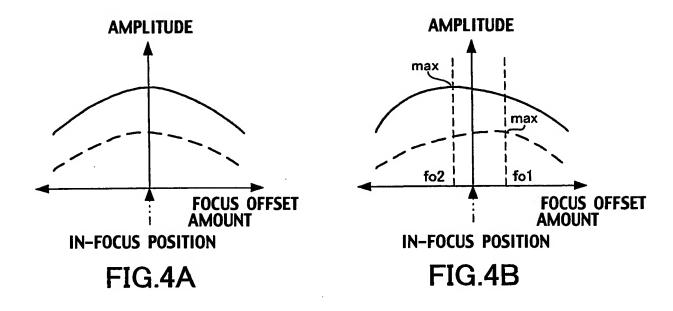


FIG.1





4/31



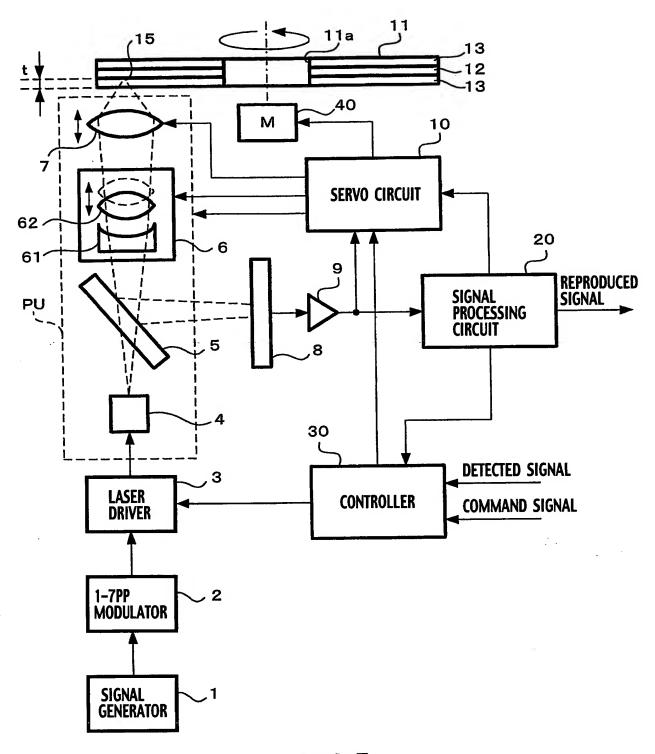


FIG.5

;

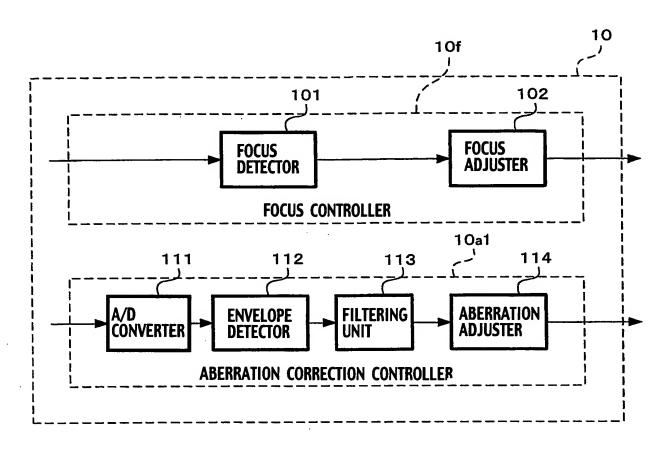
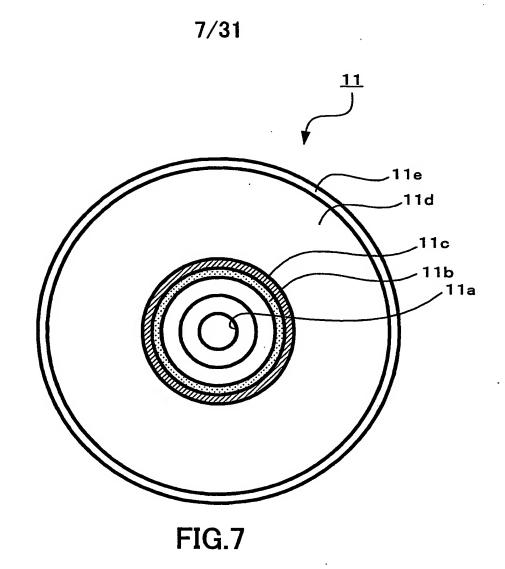


FIG.6



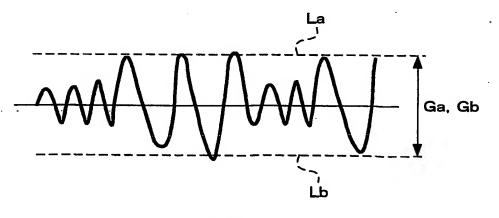
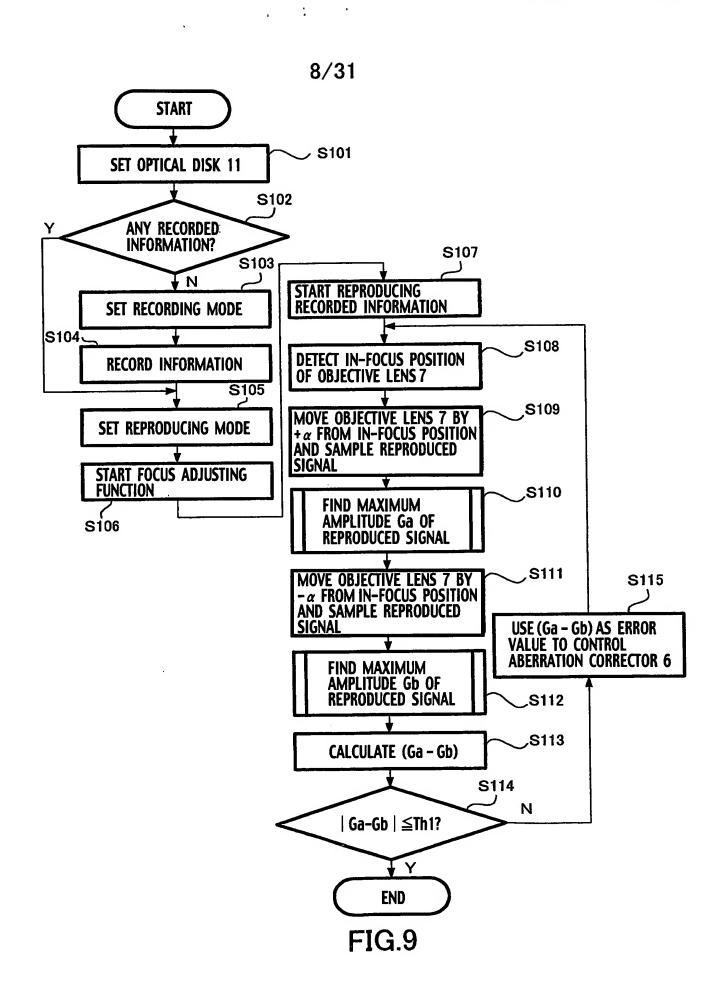
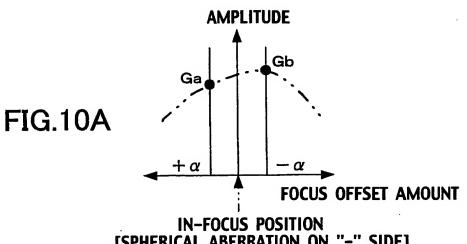
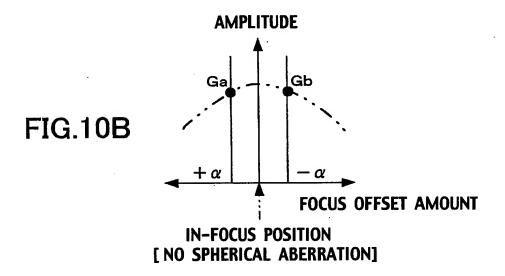


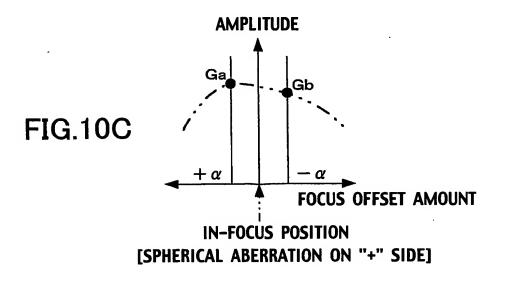
FIG.8

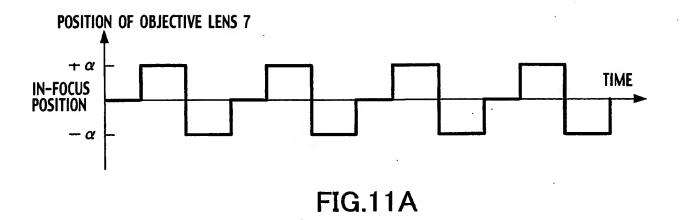




[SPHERICAL ABERRATION ON "-" SIDE]







#### MAXIMUM AMPLITUDE OF REPRODUCED SIGNAL

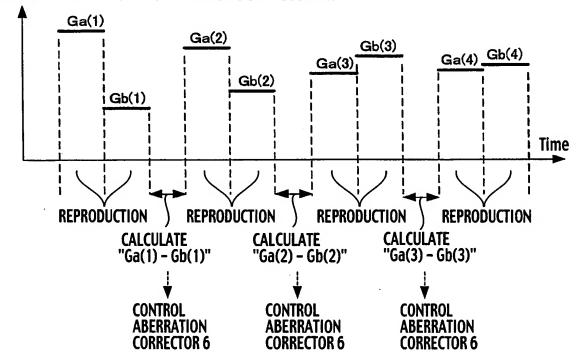
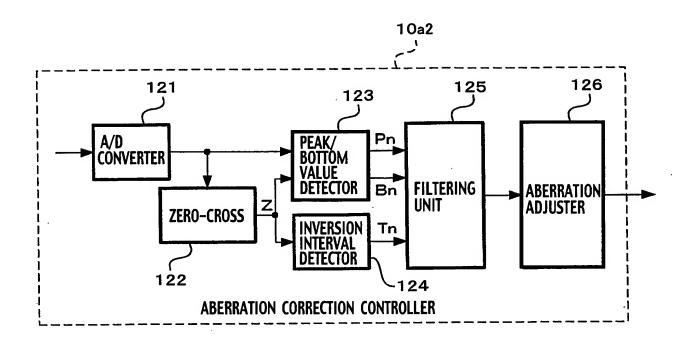
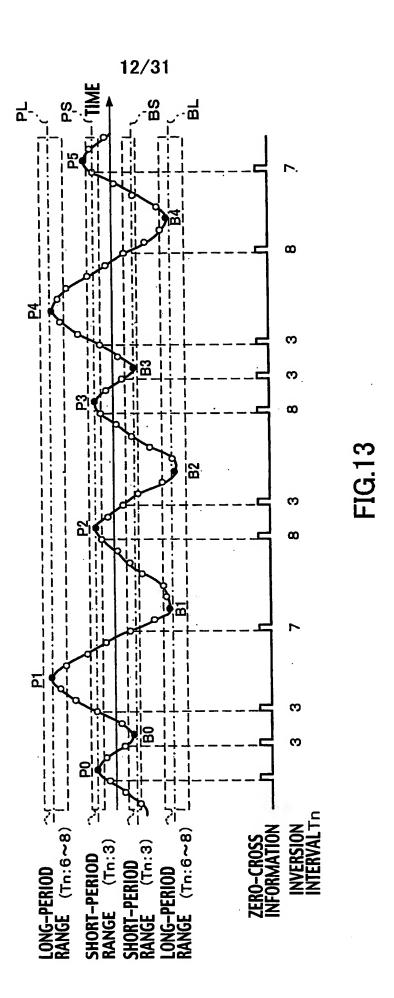
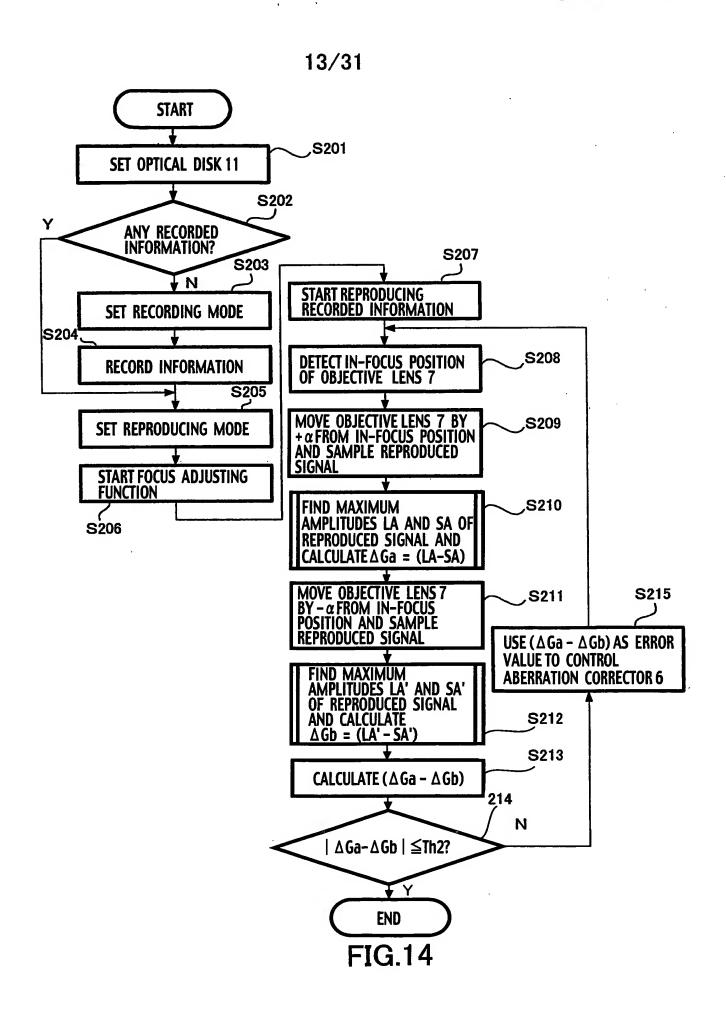


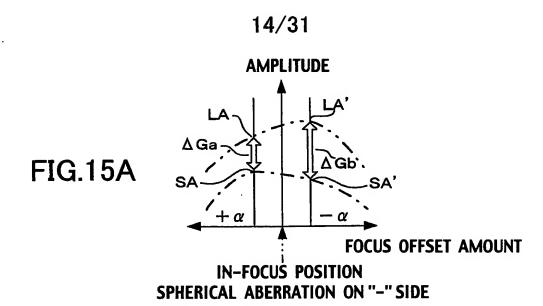
FIG.11B

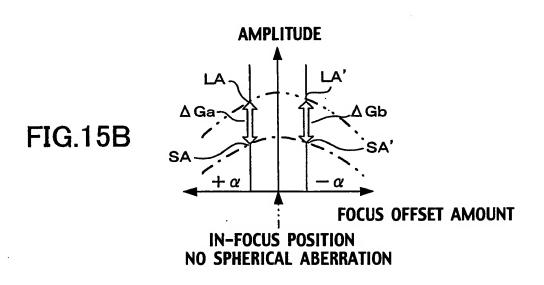


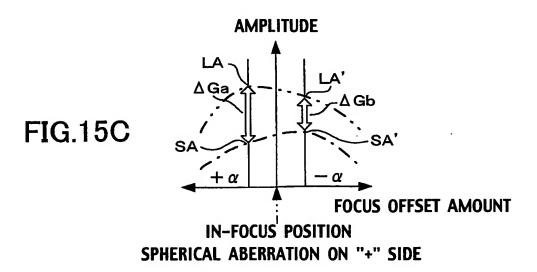
**FIG.12** 

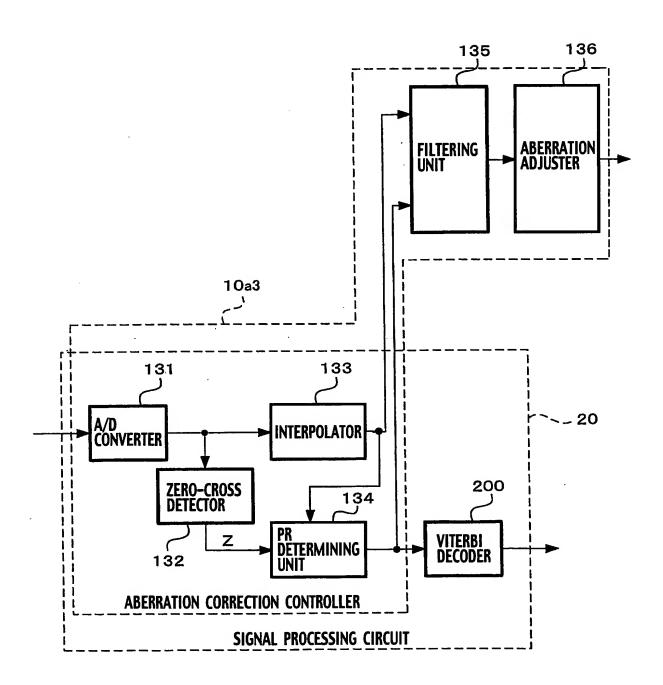












**FIG.16** 

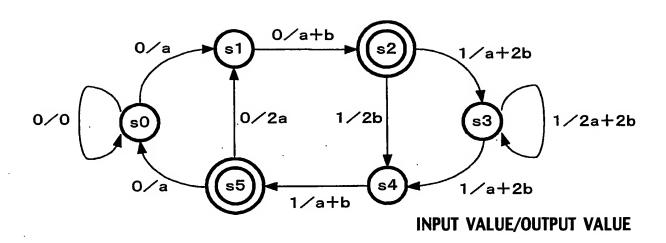
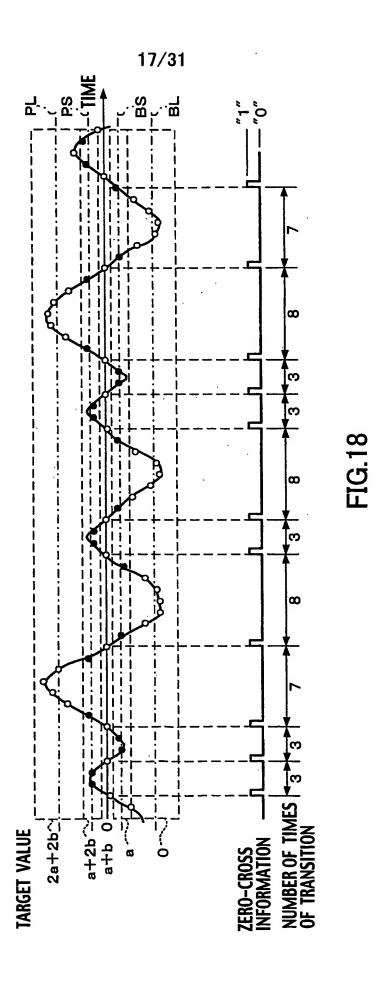


FIG.17



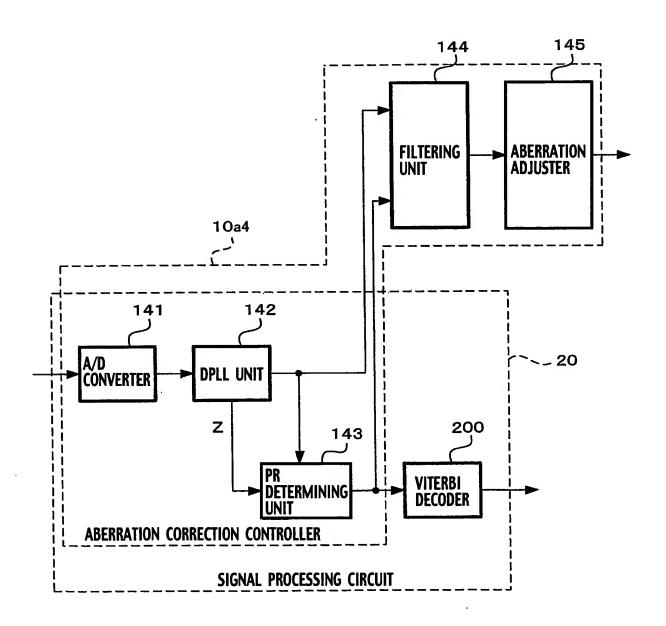


FIG.19

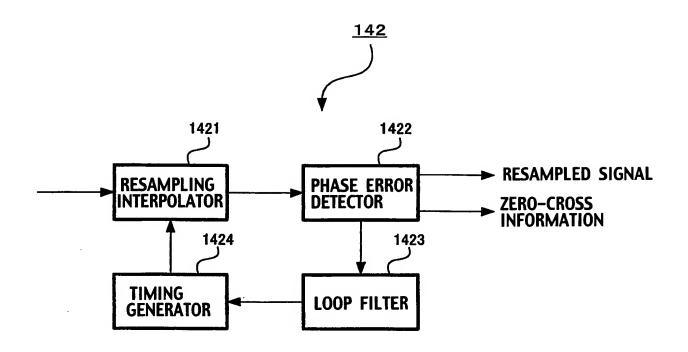
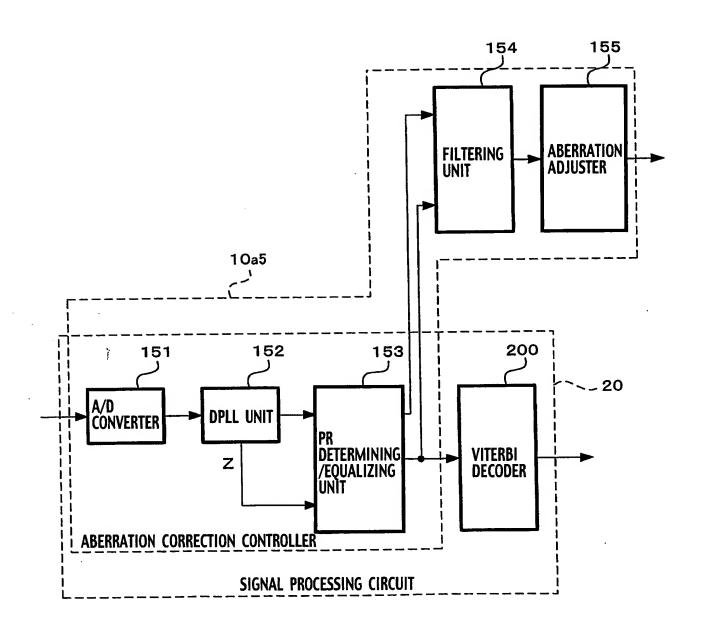
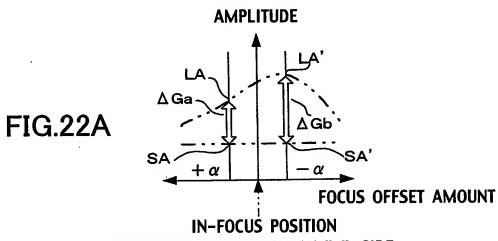


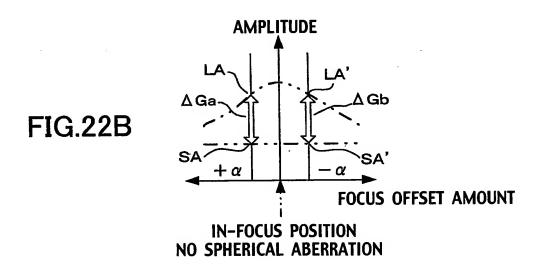
FIG.20

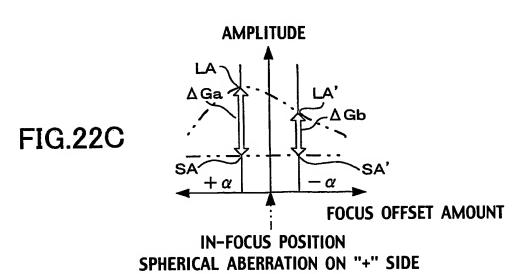


**FIG.21** 

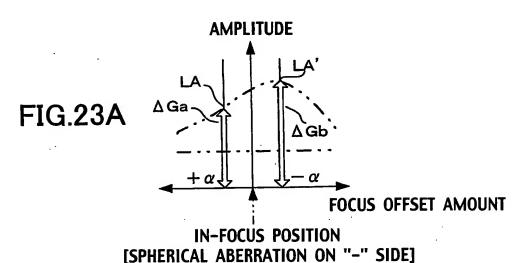


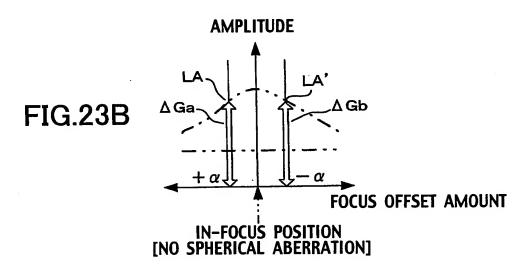
SPHERICAL ABERRATION ON "-" SIDE

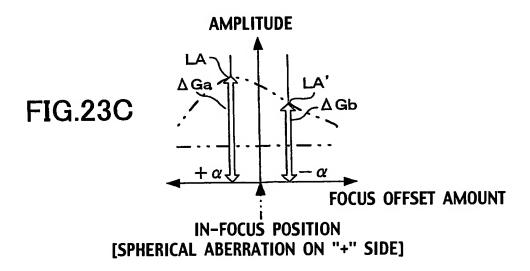


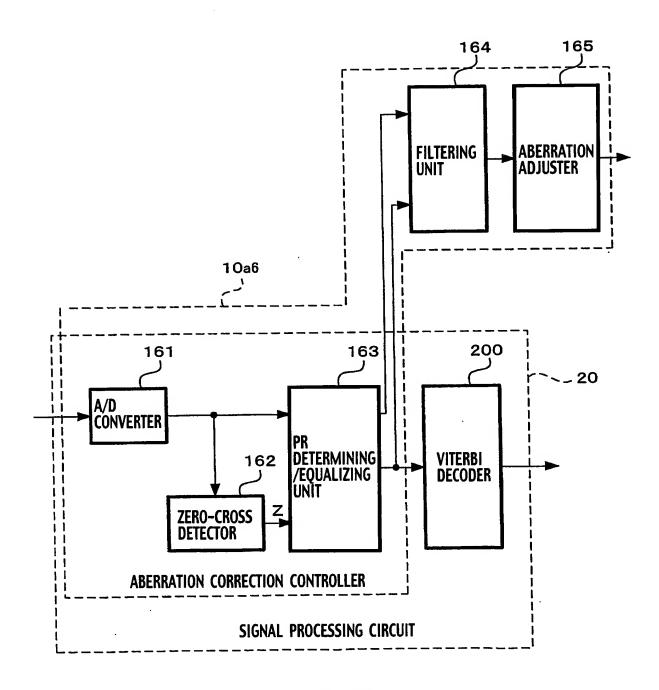




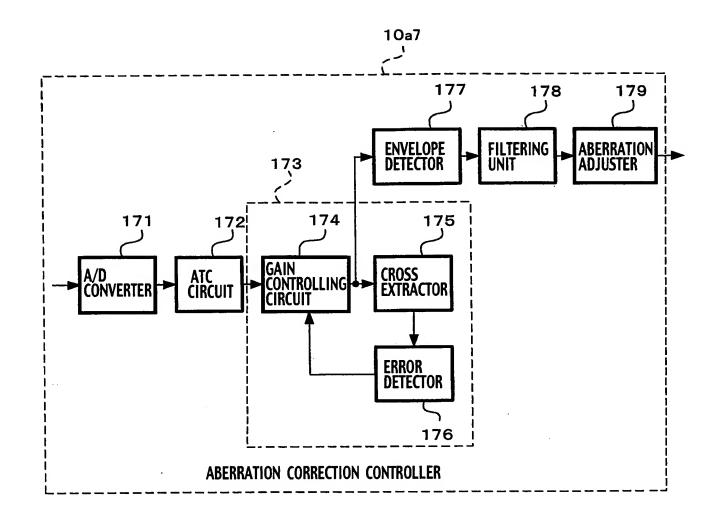






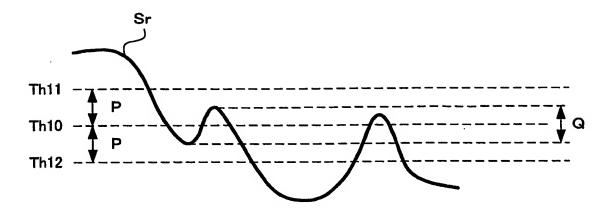


**FIG.24** 

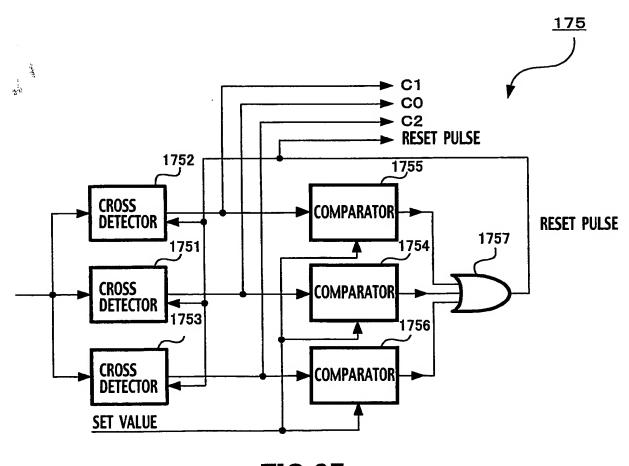


**FIG.25** 





**FIG.26** 



**FIG.27** 

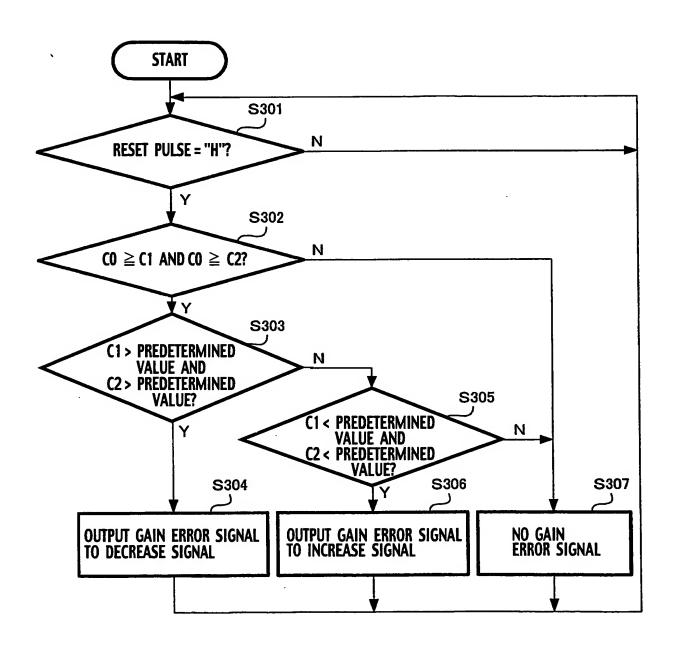


FIG.28

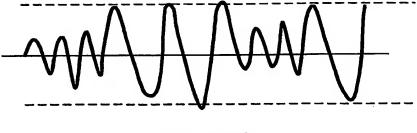
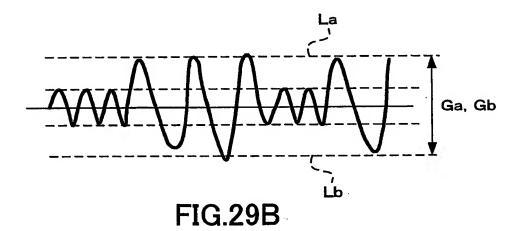
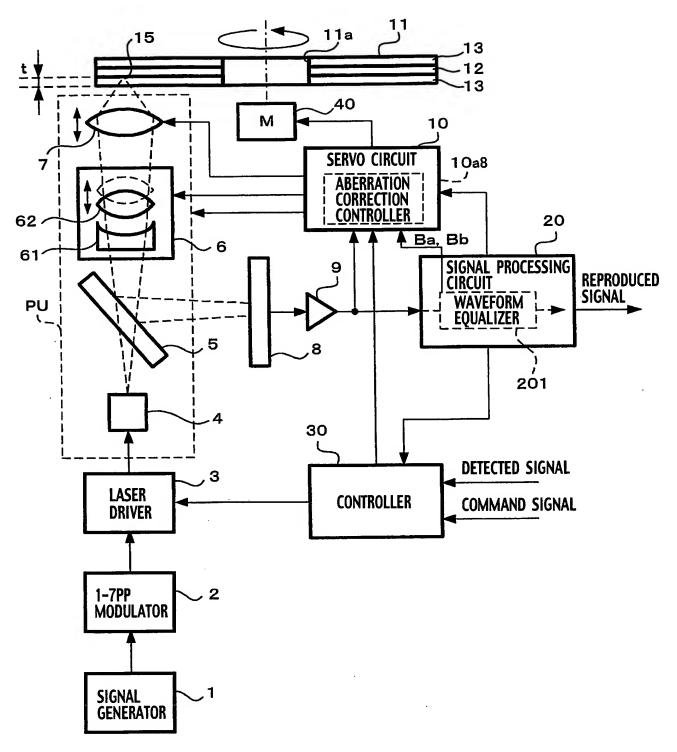


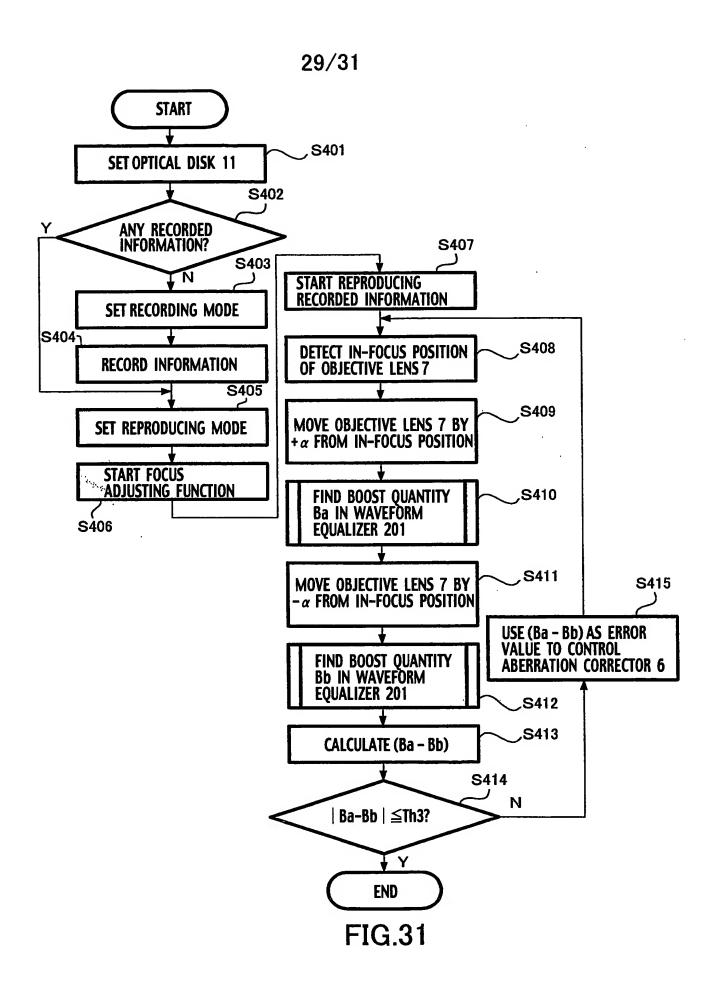
FIG.29A

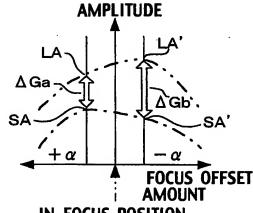


28/31



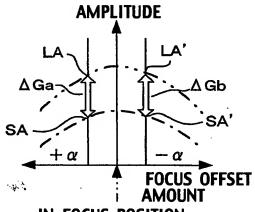
**FIG.30** 





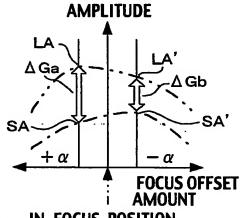
IN-FOCUS POSITION
SPHERICAL ABERRATION ON "-" SIDE

FIG.32A



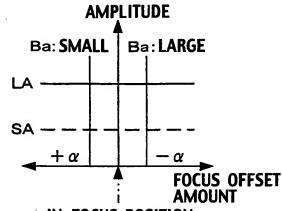
IN-FOCUS POSITION NO SPHERICAL ABERRATION

FIG.32B



IN-FOCUS POSITION
SPHERICAL ABERRATION ON "+" SIDE

**FIG.32C** 



IN-FOCUS POSITION
SPHERICAL ABERRATION ON "-" SIDE

FIG.32D

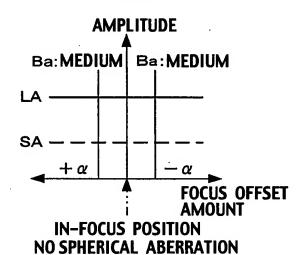
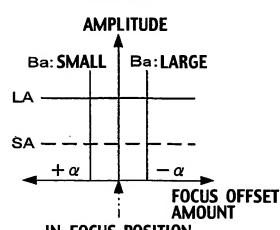
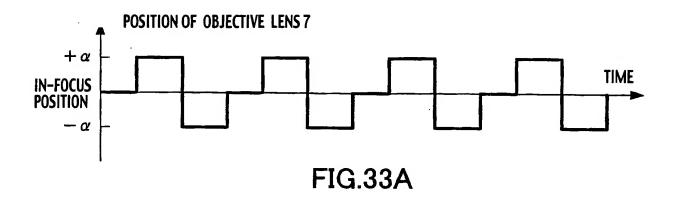


FIG.32E



IN-FOCUS POSITION SPHERICAL ABERRATION ON "+" SIDE

FIG.32F



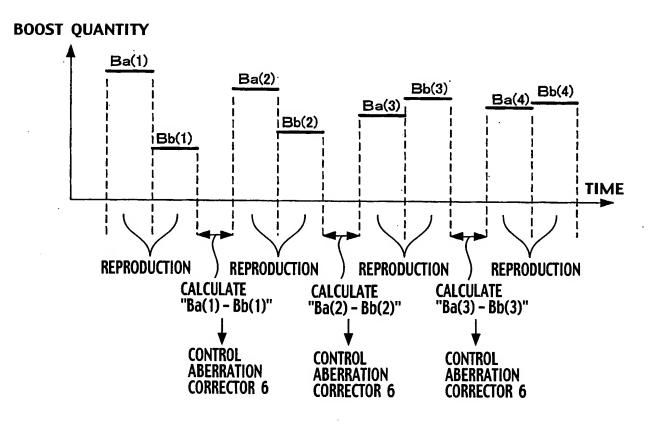


FIG.33B